

Description

Pureion Promix is a proprietary composite media designed to solve the water problems. Combined with 6 premium-grade materials, Promix works effectively in well water and municipal water within the allowable concentrations of hardness, iron, manganese, ammonium and natural organic matter. Also, Promix can be easily regenerated as the same steps as water softener.

Suggested Operating Conditions and Removal Efficiency

Raw water limitation		Max. Efficiency (%)
Hardness as CaCO ₃	800 ppm ~ 1000 ppm	~ 95 %
TOC (including Tannins)	18 ppm	50
Ammonium	4 ppm	90
Nitrate	2 ppm	90

- * PROMIX is recommended be used after sediment pre-filter.
- * PROMIX cannot treat microbiologically un safe water.

Characteristics

pH Range	5 – 10
Max Operating Temperature	40 degree C
Service Flow Rate	20 – 25 m/hr
Regeneration Flow Rate	3 – 5 m/hr
Backwash Flow Rate	15 – 20 m/hr
Rinse Flow Rate	20 – 25 m/hr
Minimum Bed Depth	508 mm (20")
Optimal Bed Depth	812 mm (32")
Free Bed Volume	~ 40 %
Brine Concentration	~ 10 %
Salt consumption	120 gram / ltr of resin
Input - TDS	Less than 4000 ppm
Active Chlorine in Input Water	Less than 1 ppm

Application

- Water Hardness
- Ammonium
- Organics, including tannins
- Nitrate

Packing

25 Liter Bag

Storage

The resin must not be allowed to dry. A periodic inspection of resin is very important when in storage. If found dry enough clean demineralized water should be added to keep the resin in moist condition. Resin should be stored in shade having temperature between 20° C to 40° C.